

# Missouri's HOT Jobs

## What are the hot jobs today and of the future?

*See what level of education will likely be needed for jobs having better than average outlook through the year 2018, plus how much the occupations typically pay in Missouri.*

Occupations are grouped by the Six Career Paths:

-  Arts & Communication
-  Business, Management & Technology
-  Health Services
-  Human Services
-  Industrial & Engineering Technology
-  Natural Resources/Agriculture



[www.missourieconomy.org](http://www.missourieconomy.org)



[www.missouricareersource.com](http://www.missouricareersource.com)



[www.dese.mo.org](http://www.dese.mo.org)



[www.missouriconnections.org](http://www.missouriconnections.org)



# Arts & Communication

**Career Cluster:**

- Arts, Audio Visual Technology and Communications

| <b>Occupation</b>                                    | <b>Openings*<br/>Over 10 Years</b> | <b>ANNUAL WAGES** IN MISSOURI</b> |                |                    |
|--|------------------------------------|-----------------------------------|----------------|--------------------|
|  |                                    | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| <b>On-The-Job Training</b>                           |                                    |                                   |                |                    |
| Athletes and Sports Competitors                      | 247                                | \$23,289                          | \$119,617      | \$167,781          |
| Coaches and Scouts                                   | 768                                | \$17,267                          | \$37,362       | \$47,409           |
| Interpreters and Translators                         | 274                                | \$26,254                          | \$42,158       | \$50,111           |
| Musicians and Singers                                | 854                                | \$22,318                          | \$63,024       | \$83,387           |
| <b>Associate Degree</b>                              |                                    |                                   |                |                    |
| None   |                                    |                                   |                |                    |
| <b>Bachelor's Degree</b>                             |                                    |                                   |                |                    |
| Public Relations Specialists                         | 2,667                              | \$30,877                          | \$51,774       | \$62,222           |
| Writers and Authors                                  | 822                                | \$30,485                          | \$51,872       | \$62,565           |
| <b>Bachelor's Degree or Higher + Work Experience</b> |                                    |                                   |                |                    |
| Art Directors  | 304                                | \$39,375                          | \$78,401       | \$97,914           |
| Broadcast News Analysts                              | 31                                 | \$28,997                          | \$72,741       | \$94,613           |
| Music Directors and Composers                        | 320                                | ND                                | ND             | ND                 |
| Producers and Directors                              | 408                                | \$28,242                          | \$57,133       | \$71,579           |

*ND = Non Disclosed*

*\*Occupational projections are based on 2008 data and cover the years 2008-2018. Occupations in this report are graded on a combination of average wage, percent growth, and total openings over the 10-year period of employment projections. The occupations shown represent a better than average outlook for the 10-year period.*

*\*\*Wage data are from 2008.*

<sup>^</sup> = Requires a strong foundation in science, technology, engineering and/or mathematics.

Note: Be sure to learn whether your desired occupation has a specific requirement for education or licensing.



# Business, Management and Technology

**Career Clusters:**

- Business Management and Administration
- Finance
- Information Technology
- Marketing

| <b>Occupation</b>  | <b>Openings*</b><br><b>Over 10 Years</b> | <b>ANNUAL WAGES** IN MISSOURI</b> |                |                    |
|--|--|-----------------------------------|----------------|--------------------|
|  |  | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| <b>On-The-Job Training</b>   |  |                                   |                |                    |
| Advertising Sales Agents   | 697                                      | \$21,133                          | \$49,302       | \$63,387           |
| Bill and Account Collectors  | 4,520                                    | \$20,505                          | \$28,784       | \$32,924           |
| Billing and Posting Clerks and Machine Operators                               | 2,350                                    | \$21,428                          | \$29,822       | \$34,019           |
| Bookkeeping, Accounting, and Auditing Clerks                                   | 5,710                                    | \$20,685                          | \$31,496       | \$36,902           |
| Cargo and Freight Agents   | 583                                      | \$30,610                          | \$41,336       | \$46,699           |
| Claims Adjusters, Examiners, and Investigators                                 | 2,248                                    | \$34,586                          | \$55,253       | \$65,586           |
| Compliance Officers, except Ag, Construction, Health & Safety & Transportation | 1,573                                    | \$31,509                          | \$50,250       | \$59,620           |
| Customer Service Representatives   | 18,469                                   | \$20,228                          | \$30,986       | \$36,365           |
| Hotel, Motel, and Resort Desk Clerks   | 2,172                                    | \$16,399                          | \$19,184       | \$20,577           |
| Interviewers, Except Eligibility and Loan                                      | 1,898                                    | \$18,740                          | \$25,745       | \$29,248           |
| Medical Secretaries  | 5,276                                    | \$20,754                          | \$28,089       | \$31,757           |
| Office Clerks, General   | 13,810                                   | \$17,843                          | \$27,724       | \$32,664           |
| Police, Fire, and Ambulance Dispatchers  | 994                                      | \$19,298                          | \$29,506       | \$34,610           |
| Postal Service Mail Carriers   | 2,443                                    | \$38,066                          | \$48,377       | \$53,532           |
| Purchasing Agents, Except Wholesale, Retail, and Farm Products                 | 1,829                                    | \$32,215                          | \$52,686       | \$62,922           |
| Receptionists and Information Clerks   | 5,682                                    | \$17,082                          | \$23,480       | \$26,678           |
| Retail Salespersons  | 27,281                                   | \$15,938                          | \$24,979       | \$29,500           |
| Stock Clerks and Order Fillers   | 8,483                                    | \$16,081                          | \$22,631       | \$25,905           |
| Tellers  | 5,892                                    | \$17,614                          | \$21,950       | \$24,118           |
| <b>Work Experience in a Related Occupation</b>                                 |  |                                   |                |                    |
| Emergency Management Specialists   | 132                                      | \$31,165                          | \$48,180       | \$56,687           |
| First-Line Supervisors/Managers of Non-Retail Sales Workers                    | 1,043                                    | \$40,158                          | \$73,553       | \$90,250           |
| First-Line Supervisors/Managers of Office & Administrative Support Workers     | 5,946                                    | \$28,776                          | \$47,297       | \$56,557           |
| First-Line Supervisors/Managers of Retail Sales Workers                        | 5,688                                    | \$24,692                          | \$39,020       | \$46,184           |
| Food Service Managers  | 590                                      | \$38,440                          | \$59,988       | \$70,762           |
| Gaming Managers  | 84                                       | \$40,596                          | \$71,738       | \$87,309           |
| Managers, All Other  | 1,957                                    | \$47,995                          | \$89,706       | \$110,562          |
| Material Recording, Scheduling, Dispatching, Distributing Workers, AO          | 4,234                                    | \$28,894                          | \$41,896       | \$48,397           |
| Sales Representatives, Services, All Other                                     | 3,200                                    | \$27,916                          | \$56,813       | \$71,261           |
| Sales Representatives, Wholesale and Mfg, except Technical                     | 7,889                                    | \$28,677                          | \$57,744       | \$72,277           |
| Sales Representatives, Wholesale & Mfg, Technical & Scientific Products        | 1,911                                    | \$40,084                          | \$76,065       | \$94,056           |
| <b>Postsecondary Vocational Training</b>                                       |  |                                   |                |                    |
| Insurance Appraisers, Auto Damage  | 92                                       | \$33,862                          | \$49,678       | \$57,586           |
| Real Estate Sales Agents   | 994                                      | \$20,574                          | \$46,811       | \$59,929           |
| <b>Associate Degree</b>  |  |                                   |                |                    |
| Computer Specialists, All Other  | 1,176                                    | \$50,786                          | \$74,506       | \$86,366           |
| Computer Support Specialists   | 3,684                                    | \$27,872                          | \$43,139       | \$50,772           |
| Funeral Directors  | 210                                      | \$31,707                          | \$59,650       | \$73,622           |

## Business, Management and Technology (continued)

| <b>Bachelor's Degree</b>  | <b>Openings*</b> | <b>Entry</b> | <b>Average</b> | <b>Experienced</b> |
|---|------------------|--------------|----------------|--------------------|
| Accountants and Auditors  | 7,184            | \$35,141     | \$58,199       | \$69,728           |
| Budget Analysts   | 396              | \$43,753     | \$62,292       | \$71,561           |
| Business Operations Specialists, All Other                            | 3,683            | \$33,352     | \$60,872       | \$74,633           |
| Compensation, Benefits, Job Analysis Specialists                      | 1,057            | \$32,703     | \$51,012       | \$60,166           |
| Computer Software Engineers, Applications^                            | 1,905            | \$50,600     | \$76,059       | \$88,788           |
| Computer Software Engineers, Systems Software^                        | 1,040            | \$56,419     | \$78,384       | \$89,366           |
| Computer Systems Analysts^  | 2,761            | \$50,693     | \$72,018       | \$82,680           |
| Construction Managers   | 772              | \$46,054     | \$82,583       | \$100,847          |
| Cost Estimators   | 1,655            | \$35,213     | \$57,688       | \$68,925           |
| Credit Analysts   | 291              | \$34,999     | \$58,189       | \$69,785           |
| Database Administrators   | 738              | \$35,764     | \$61,022       | \$73,651           |
| Employment, Recruitment, Placement Specialists                        | 1,445            | \$28,895     | \$46,262       | \$54,945           |
| Financial Analysts  | 938              | \$42,769     | \$73,465       | \$88,814           |
| Financial Examiners   | 348              | \$43,507     | \$80,701       | \$99,298           |
| Financial Specialists, All Other                                      | 350              | \$40,284     | \$64,346       | \$76,377           |
| Human Resources, Training, and Labor Relations Specialists, All Other | 1,311            | \$36,183     | \$55,967       | \$65,860           |
| Insurance Sales Agents  | 5,859            | \$24,411     | \$54,165       | \$69,042           |
| Loan Officers   | 1,007            | \$34,383     | \$61,156       | \$74,543           |
| Logisticians  | 400              | \$43,807     | \$65,784       | \$76,773           |
| Network and Computer Systems Administrators                           | 2,393            | \$43,046     | \$63,197       | \$73,272           |
| Network Systems & Data Communications Analysts^                       | 2,510            | \$46,454     | \$74,788       | \$88,955           |
| Personal Financial Advisors   | 1,241            | \$37,697     | \$91,284       | \$118,077          |
| Property, Real Estate & Community Assn. Mgrs.                         | 465              | \$28,212     | \$59,901       | \$75,745           |
| Securities, Commodities & Financial Services Sales Agents             | 2,041            | \$31,511     | \$86,505       | \$114,002          |
| Tax Examiners, Collectors, and Revenue Agents                         | 787              | \$27,039     | \$44,095       | \$52,623           |
| <b>Bachelor's Degree or Higher + Work Experience</b>                  |                  |              |                |                    |
| Actuaries^  | 127              | \$47,753     | \$86,492       | \$105,862          |
| Administrative Services Managers                                      | 897              | \$43,470     | \$76,597       | \$93,161           |
| Compensation and Benefits Managers                                    | 129              | \$65,269     | \$97,396       | \$113,459          |
| Computer and Information Systems Managers                             | 1,279            | \$71,421     | \$102,259      | \$117,678          |
| Education Administrators, All Other                                   | 71               | \$40,314     | \$61,965       | \$72,790           |
| Education Administrators, Elementary and Secondary School             | 1,738            | \$54,313     | \$76,743       | \$87,957           |
| Education Administrators, Postsecondary                               | 525              | \$48,467     | \$84,370       | \$102,322          |
| Education Administrators, Preschool and Child Care Center/Program     | 448              | \$27,731     | \$41,867       | \$48,934           |
| Engineering Managers  | 474              | \$77,065     | \$104,884      | \$118,794          |
| Farm, Ranch, and Other Agricultural Managers                          | 538              | ND           | ND             | ND                 |
| Financial Managers  | 1,322            | \$64,668     | \$110,278      | \$133,082          |
| Human Resources Managers, All Other                                   | 301              | \$61,392     | \$100,479      | \$120,022          |
| Management Analysts   | 1,500            | \$45,100     | \$71,384       | \$84,526           |
| Marketing Managers  | 699              | \$61,588     | \$111,262      | \$136,098          |
| Medical and Health Services Managers                                  | 1,307            | \$43,334     | \$76,512       | \$93,101           |
| Natural Sciences Managers   | 230              | \$64,294     | \$105,453      | \$126,033          |
| Public Relations Managers   | 423              | \$57,335     | \$91,340       | \$108,343          |
| Sales Managers  | 1,267            | \$57,841     | \$110,584      | \$136,956          |
| Training and Development Managers                                     | 111              | \$50,605     | \$84,858       | \$101,984          |
| Training and Development Specialists                                  | 2,034            | \$30,324     | \$49,533       | \$59,137           |
| <b>Master's Degree</b>  |                  |              |                |                    |
| Mathematical Scientists, All Other                                    | 3                | ND           | ND             | ND                 |
| Operations Research Analysts^   | 288              | \$47,701     | \$70,033       | \$81,199           |
| Statisticians^  | 141              | \$39,210     | \$65,096       | \$78,039           |
| <b>Doctoral Degree</b>  |                  |              |                |                    |
| Computer and Information Scientists, Research^                        | 105              | ND           | ND             | ND                 |
| Mathematicians^   | 14               | \$64,234     | \$81,514       | \$90,154           |

*ND = Non Disclosed*

\*Occupational projections are based on 2008 data and cover the years 2008-2018. Occupations in this report are graded on a combination of average wage, percent growth, and total openings over the 10-year period of employment projections. The occupations shown represent a better than average outlook for the 10-year period.

\*\*Wage data are from 2008.

^ = Requires a strong foundation in science, technology, engineering and/or mathematics.

Note: Be sure to learn whether your desired occupation has a specific requirement for education or licensing.



# Health Services

**Career Cluster:**

- Health Sciences

| <b>Occupation</b>                                       | <b>Openings*</b><br><b>Over 10 Years</b> | <b>ANNUAL WAGES** IN MISSOURI</b> |                |                    |
|---|--|-----------------------------------|----------------|--------------------|
|   |  | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| <b>On-The-Job Training</b>                              |  |                                   |                |                    |
| Dental Assistants                                       | 2,019                                    | \$24,425                          | \$33,100       | \$37,438           |
| Home Health Aids  | 7,723                                    | \$16,427                          | \$19,542       | \$21,100           |
| Medical Assistants                                      | 2,572                                    | \$20,549                          | \$26,892       | \$30,063           |
| Pharmacy Technicians                                    | 5,476                                    | \$18,268                          | \$24,564       | \$27,712           |
| <b>Postsecondary Vocational Award</b>                   |  |                                   |                |                    |
| Emergency Medical Technicians and Paramedics            | 2,426                                    | \$19,818                          | \$33,392       | \$40,179           |
| Licensed Practical and Licensed Vocational Nurses       | 7,815                                    | \$27,003                          | \$34,178       | \$37,766           |
| Massage Therapists                                      | 371                                      | \$16,245                          | \$35,005       | \$44,385           |
| Nursing Aides, Orderlies, and Attendants                | 7,768                                    | \$17,202                          | \$21,661       | \$23,891           |
| Surgical Technologists                                  | 778                                      | \$26,765                          | \$37,052       | \$42,195           |
| <b>Associate Degree</b>                                 |  |                                   |                |                    |
| Cardiovascular Technologists and Technicians            | 245                                      | \$25,470                          | \$42,855       | \$51,547           |
| Dental Hygienists                                       | 992                                      | \$47,183                          | \$62,997       | \$70,904           |
| Diagnostic Medical Sonographers                         | 260                                      | \$47,585                          | \$61,181       | \$67,980           |
| Medical and Clinical Laboratory Technicians             | 960                                      | \$21,840                          | \$32,580       | \$37,950           |
| Nuclear Medicine Technologists                          | 112                                      | \$54,795                          | \$64,875       | \$69,916           |
| Occupational Therapist Assistants                       | 218                                      | \$36,655                          | \$45,352       | \$49,700           |
| Physical Therapist Assistants                           | 492                                      | \$32,809                          | \$43,617       | \$49,021           |
| Radiation Therapists                                    | 118                                      | \$46,858                          | \$68,402       | \$79,174           |
| Radiologic Technologists and Technicians                | 1,283                                    | \$34,684                          | \$47,955       | \$54,591           |
| Recreational Therapists                                 | 969                                      | \$36,733                          | \$46,832       | \$51,881           |
| Registered Nurses                                       | 21,029                                   | \$41,476                          | \$56,667       | \$64,263           |
| <b>Bachelor's Degree</b>                                |  |                                   |                |                    |
| Athletic Trainers                                       | 238                                      | \$30,714                          | \$46,136       | \$53,847           |
| Health Diagnosing & Treating Practitioners, All Other   | 43                                       | \$45,394                          | \$76,391       | \$91,890           |
| Healthcare Practitioners & Technical Workers, All Other | 386                                      | \$25,859                          | \$58,327       | \$74,561           |
| Medical and Clinical Laboratory Technologists           | 886                                      | \$40,445                          | \$51,525       | \$57,065           |
| Occupational Health and Safety Specialists              | 428                                      | \$35,876                          | \$58,030       | \$69,107           |
| Occupational Health and Safety Technicians              | 197                                      | \$32,769                          | \$49,567       | \$57,967           |
| Orthotists and Prosthetists^                            | 22                                       | \$44,815                          | \$70,016       | \$82,617           |
| <b>Master's Degree</b>                                  |  |                                   |                |                    |
| Occupational Therapists                                 | 787                                      | \$47,029                          | \$61,156       | \$68,219           |
| Physician Assistants                                    | 288                                      | \$35,692                          | \$65,594       | \$80,545           |
| Speech-Language Pathologists                            | 851                                      | \$40,111                          | \$58,581       | \$67,816           |
| <b>First Professional Degree</b>                        |  |                                   |                |                    |
| Anesthesiologists^                                      | 187                                      | ND                                | \$220,123      | ND                 |
| Audiologists  | 68                                       | \$45,209                          | \$62,860       | \$71,686           |
| Chiropractors   | 175                                      | \$31,526                          | \$68,028       | \$86,280           |
| Dentists, All Other Specialists                         | 18                                       | ND                                | \$187,205      | ND                 |
| Dentists, General^                                      | 651                                      | \$81,234                          | \$166,832      | \$209,631          |
| Family and General Practitioners^                       | 1,255                                    | \$66,825                          | \$150,983      | \$193,061          |
| Internists, General^                                    | 206                                      | \$117,320                         | \$190,973      | \$227,800          |
| Obstetricians and Gynecologists^                        | 182                                      | ND                                | \$196,270      | ND                 |
| Optometrists  | 391                                      | \$60,549                          | \$92,118       | \$107,903          |
| Oral and Maxillofacial Surgeons^                        | 24                                       | ND                                | \$208,337      | ND                 |
| Orthodontists   | 32                                       | \$92,744                          | \$161,883      | \$196,452          |
| Pediatricians, General^                                 | 129                                      | \$104,331                         | \$150,286      | \$173,264          |
| Pharmacists   | 1,997                                    | \$84,043                          | \$106,242      | \$117,342          |

## Health Services (continued)

| <b>First Professional Degree</b> (continued) | <b>Openings*</b> | <b>Entry</b> | <b>Average</b> | <b>Experienced</b> |
|--|------------------|--------------|----------------|--------------------|
| Physical Therapists                          | 1,333            | \$43,619     | \$62,215       | \$71,512           |
| Physicians and Surgeons, All Other           | 1,358            | \$53,075     | \$156,266      | \$207,861          |
| Prosthodontists                              | 25               | ND           | ND             | ND                 |
| Psychiatrists                                | 169              | \$99,603     | \$154,875      | \$182,511          |
| Surgeons^                                    | 254              | ND           | \$219,547      | ND                 |

*ND = Non Disclosed*

*\*Occupational projections are based on 2008 data and cover the years 2008-2018. Occupations in this report are graded on a combination of average wage, percent growth, and total openings over the 10-year period of employment projections. The occupations shown represent a better than average outlook for the 10-year period.*

*\*\*Wage data are from 2008.*

*^ = Requires a strong foundation in science, technology, engineering and/or mathematics.*

*Note: Be sure to learn whether your desired occupation has a specific requirement for education or licensing.*



# Human Services

**Career Clusters:**

- Education and Training
- Government and Public Administration
- Hospitality and Tourism
- Human Services
- Law, Public Safety, Corrections and Security

| <b>Occupation</b>  | <b>Openings*</b><br><b>Over 10 Years</b> | <b>ANNUAL WAGES** IN MISSOURI</b> |                |                    |
|--|--|-----------------------------------|----------------|--------------------|
|  |  | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| <b>On-The-Job Training</b>   |  |                                   |                |                    |
| Bartenders   | 4,077                                    | \$15,029                          | \$18,858       | \$20,773           |
| Child Care Workers   | 10,112                                   | \$15,087                          | \$19,041       | \$21,019           |
| Cooks, Restaurant  | 6,552                                    | \$16,322                          | \$21,307       | \$23,800           |
| Fire Fighters  | 2,685                                    | \$22,305                          | \$43,777       | \$54,514           |
| Food Preparation Workers   | 3,872                                    | \$15,407                          | \$19,171       | \$21,053           |
| Funeral Attendants   | 459                                      | \$17,197                          | \$20,738       | \$22,509           |
| Personal and Home Care Aides   | 9,344                                    | \$15,881                          | \$18,714       | \$20,130           |
| Police and Sheriff's Patrol Officers                                       | 3,890                                    | \$26,822                          | \$41,148       | \$48,311           |
| Security Guards  | 4,413                                    | \$17,915                          | \$26,940       | \$31,452           |
| Social and Human Service Assistants  | 1,001                                    | \$19,184                          | \$27,861       | \$32,200           |
| Teacher Assistants   | 6,089                                    | \$15,225                          | \$20,979       | \$23,856           |
| Ushers, Lobby Attendants, and Ticket Takers                                | 2,167                                    | \$15,908                          | \$19,244       | \$20,912           |
| <b>Postsecondary Vocational Award</b>                                      |  |                                   |                |                    |
| Court Reporters  | 106                                      | \$26,544                          | \$49,311       | \$60,694           |
| Fitness Trainers and Aerobics Instructors                                  | 1,601                                    | \$15,774                          | \$25,286       | \$30,042           |
| Gaming Dealers   | 1,333                                    | \$15,026                          | \$21,156       | \$24,221           |
| Preschool Teachers, except Special Education                               | 3,629                                    | \$16,859                          | \$25,317       | \$29,545           |
| Skin Care Specialists  | 174                                      | \$22,382                          | \$32,295       | \$37,251           |
| <b>Associate Degree</b>  |  |                                   |                |                    |
| Paralegal and Legal Assistants   | 1,062                                    | \$29,209                          | \$44,075       | \$51,508           |
| <b>Bachelor's Degree</b>   |  |                                   |                |                    |
| Adult Literacy, Remedial Education, and GED Teachers and Instructors       | 439                                      | \$33,255                          | \$44,793       | \$50,563           |
| Child, Family, and School Social Workers                                   | 1,902                                    | \$25,399                          | \$33,277       | \$37,216           |
| Community and Social Service Specialists, All Other                        | 429                                      | \$24,638                          | \$32,716       | \$36,755           |
| Directors, Religious Activities and Education                              | 784                                      | \$26,813                          | \$45,105       | \$54,251           |
| Elementary School Teachers, except Special Education                       | 10,341                                   | \$31,073                          | \$43,715       | \$50,036           |
| Health Educators   | 423                                      | \$28,618                          | \$43,796       | \$51,385           |
| Kindergarten Teachers, except Special Education                            | 1,370                                    | \$30,357                          | \$42,023       | \$47,857           |
| Market Research Analysts   | 1,675                                    | \$34,979                          | \$61,898       | \$75,358           |
| Medical and Public Health Social Workers                                   | 1,488                                    | \$27,107                          | \$40,878       | \$47,764           |
| Middle School Teachers, except Special and Vocational Education            | 4,700                                    | \$32,229                          | \$43,418       | \$49,013           |
| Museum Technicians and Conservators  | 311                                      | \$22,719                          | \$33,947       | \$39,561           |
| Probation Officers and Correctional Treatment Specialists                  | 772                                      | \$32,091                          | \$35,824       | \$37,690           |
| Secondary School Teachers, except Special and Vocational Education         | 7,972                                    | \$31,298                          | \$42,765       | \$48,499           |
| Social Workers, All Other  | 153                                      | \$26,587                          | \$48,829       | \$59,950           |
| Special Education Teachers, Middle School                                  | 1,115                                    | \$30,700                          | \$43,132       | \$49,348           |
| Special Education Teachers, Preschool, Kindergarten, and Elementary School | 2,666                                    | \$32,576                          | \$45,162       | \$51,456           |
| Special Education Teachers, Secondary School                               | 1,806                                    | \$33,252                          | \$47,477       | \$54,590           |
| Substance Abuse and Behavioral Disorder Counselors                         | 568                                      | \$22,940                          | \$38,232       | \$45,878           |
| Teachers and Instructors, All Other  | 4,473                                    | \$19,964                          | \$29,061       | \$33,609           |
| <b>Bachelor's Degree or Higher + Work Experience</b>                       |  |                                   |                |                    |
| Administrative Law Judges, Adjudicators, and Hearing Officers              | 30                                       | \$49,475                          | \$89,388       | \$109,344          |
| Arbitrators, Mediators, and Conciliators                                   | 25                                       | \$36,696                          | \$66,202       | \$80,955           |
| Vocational Education Teachers, Secondary School                            | 1,337                                    | \$33,137                          | \$44,938       | \$50,838           |

## Human Services (continued)

| <b>Master's Degree</b>                                       | <b>Openings*</b> | <b>Entry</b> | <b>Average</b> | <b>Experienced</b> |
|--|------------------|--------------|----------------|--------------------|
| Anthropologists and Archeologists                            | 16               | \$31,910     | \$46,101       | \$53,197           |
| Clergy   | 3,276            | \$30,482     | \$43,945       | \$50,677           |
| Curators   | 134              | \$36,601     | \$51,735       | \$59,302           |
| Educational, Vocational, and School Counselors               | 1,709            | \$29,654     | \$46,153       | \$54,403           |
| Geographers  | 12               | \$46,942     | \$63,714       | \$72,100           |
| Industrial-Organizational Psychologists                      | 41               | ND           | ND             | ND                 |
| Instructional Coordinators                                   | 449              | \$36,641     | \$56,185       | \$65,957           |
| Librarians   | 1,038            | \$34,169     | \$50,471       | \$58,621           |
| Marriage and Family Therapists                               | 136              | \$30,733     | \$52,959       | \$64,072           |
| Mental Health and Substance Abuse Social Workers             | 1,279            | \$21,998     | \$34,380       | \$40,572           |
| Mental Health Counselors                                     | 600              | \$19,930     | \$36,818       | \$45,262           |
| Psychologists, All Other                                     | 45               | \$49,864     | \$74,860       | \$87,359           |
| Social Scientists and Related Workers, All Other             | 144              | ND           | ND             | ND                 |
| Urban and Regional Planners                                  | 142              | \$39,084     | \$53,398       | \$60,555           |
| <b>First Professional Degree</b>                             |                  |              |                |                    |
| Lawyers  | 2,153            | \$50,873     | \$107,784      | \$136,240          |
| <b>Doctoral Degree</b>                                       |                  |              |                |                    |
| Agricultural Sciences Teachers, PS^                          | 49               | ND           | ND             | ND                 |
| Anthropology and Archeology Teachers, PS^                    | 14               | \$50,562     | \$72,903       | \$84,073           |
| Architecture Teachers, PS                                    | 14               | \$36,058     | \$59,001       | \$70,473           |
| Area, Ethnic, and Cultural Studies Teachers, PS              | 449              | \$37,909     | \$59,271       | \$69,952           |
| Art, Drama, and Music Teachers, PS                           | 48               | \$42,256     | \$68,513       | \$81,642           |
| Atmospheric, Earth, Marine, and Space Sciences Teachers, PS^ | 304              | \$39,008     | \$69,369       | \$84,550           |
| Biological Science Teachers, PS^                             | 501              | \$36,440     | \$74,319       | \$93,259           |
| Business Teachers, PS  | 108              | \$41,196     | \$59,960       | \$69,342           |
| Chemistry Teachers, PS^                                      | 609              | \$35,040     | \$56,691       | \$67,516           |
| Clinical, Counseling, and School Psychologists               | 194              | \$36,346     | \$61,269       | \$73,730           |
| Communications Teachers, PS                                  | 203              | \$40,104     | \$66,703       | \$80,003           |
| Computer Science Teachers, PS                                | 100              | \$32,757     | \$51,236       | \$60,475           |
| Criminal Justice and Law Enforcement Teachers, PS            | 85               | \$48,814     | \$78,798       | \$93,789           |
| Economics Teachers, PS                                       | 317              | \$35,558     | \$57,453       | \$68,400           |
| Education teachers, PS                                       | 248              | \$49,693     | \$85,018       | \$102,680          |
| Engineering Teachers, PS^                                    | 402              | \$35,629     | \$58,100       | \$69,336           |
| English Language and Literature Teachers, PS                 | 145              | \$35,049     | \$51,574       | \$59,837           |
| Foreign Language and Literature Teachers, PS                 | 7                | ND           | ND             | ND                 |
| Forestry and Conservation Science Teachers, PS^              | 28               | \$43,032     | \$56,150       | \$62,710           |
| Geography Teachers, PS                                       | 1,837            | \$47,536     | \$105,867      | \$135,033          |
| Health Specialties Teachers, PS^                             | 148              | \$36,421     | \$56,857       | \$67,075           |
| History Teachers, PS   | 40               | \$37,638     | \$57,570       | \$67,537           |
| Home Economics Teachers, PS                                  | 28               | \$48,105     | \$94,673       | \$117,958          |
| Law Teachers, PS   | 34               | \$42,128     | \$53,745       | \$59,553           |
| Library Science Teachers, PS                                 | 305              | \$35,802     | \$58,541       | \$69,911           |
| Mathematical Science Teachers, PS^                           | 308              | \$42,270     | \$57,580       | \$65,236           |
| Nursing Instructors and Teachers, PS^                        | 151              | \$40,071     | \$60,758       | \$71,101           |
| Philosophy and Religion Teachers, PS                         | 94               | \$37,896     | \$60,676       | \$72,066           |
| Physics Teachers, PS^  | 85               | \$38,159     | \$59,344       | \$69,936           |
| Political Science Teachers, PS                               | 469              | \$36,853     | \$66,052       | \$80,652           |
| Postsecondary Teachers, All Other                            | 285              | \$37,441     | \$62,543       | \$75,093           |
| Psychology Teachers, PS                                      | 98               | \$31,979     | \$48,106       | \$56,170           |
| Recreation and Fitness Studies Teachers, PS                  | 72               | \$39,529     | \$58,962       | \$68,678           |
| Social Work Teachers, PS                                     | 94               | \$34,301     | \$59,592       | \$72,237           |
| Sociology Teachers, PS                                       | 49               | ND           | ND             | ND                 |

*ND = Non Disclosed    PS = Postsecondary*

*\*Occupational projections are based on 2008 data and cover the years 2008-2018. Occupations in this report are graded on a combination of average wage, percent growth, and total openings over the 10-year period of employment projections. The occupations shown represent a better than average outlook for the 10-year period.*

*\*\*Wage data are from 2008.*

*^ = Requires a strong foundation in science, technology, engineering and/or mathematics.*

*Note: Be sure to learn whether your desired occupation has a specific requirement for education or licensing.*



# Industrial & Engineering Technology

**Career Clusters:**

- Architecture and Construction
- Manufacturing
- Science, Technology, Engineering and Mathematics
- Transportation, Distribution and Logistics

| <b>Occupation</b>   | <b>Openings*</b><br>Over 10 Years | <b>ANNUAL WAGES** IN MISSOURI</b> |                |                    |
|---|-----------------------------------|-----------------------------------|----------------|--------------------|
|   |                                   | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| <b>On-The-Job Training</b>  |                                   |                                   |                |                    |
| Air Traffic Controllers   | 104                               | \$68,378                          | \$108,124      | \$127,997          |
| Aircraft Structure, Surfaces, Rigging, and Systems Assemblers                 | 240                               | ND                                | ND             | ND                 |
| Airfield Operations Specialists   | 8                                 | \$24,440                          | \$46,135       | \$56,982           |
| Carpenters  | 3,449                             | \$26,277                          | \$45,746       | \$55,480           |
| Construction Laborers   | 2,296                             | \$23,244                          | \$38,623       | \$46,313           |
| Electrical Power-Line Installers and Repairers                                | 1,517                             | \$38,125                          | \$53,746       | \$61,557           |
| Gas Plant Operators   | 78                                | \$41,769                          | \$47,556       | \$50,449           |
| Heating, Air Conditioning, and Refrigeration Mechanics and Installers         | 1,309                             | \$26,115                          | \$40,878       | \$48,259           |
| Industrial Machinery Mechanics  | 1,371                             | \$29,084                          | \$43,547       | \$50,779           |
| Insulation Workers, Mechanical  | 410                               | \$31,423                          | \$52,944       | \$63,705           |
| Locomotive Engineers^   | 401                               | ND                                | ND             | ND                 |
| Locomotive Firers   | 19                                | ND                                | ND             | ND                 |
| Maintenance and Repair Workers, General                                       | 6,010                             | \$21,682                          | \$34,274       | \$40,570           |
| Motorboat Operators   | 7                                 | ND                                | ND             | ND                 |
| Nuclear Power Reactor Operators   | 59                                | ND                                | ND             | ND                 |
| Operating Engineers and Other Construction Equipment Operators                | 1,624                             | \$30,391                          | \$46,571       | \$54,662           |
| Plumbers, Pipefitters, and Steamfitters                                       | 1,950                             | \$32,639                          | \$54,237       | \$65,037           |
| Power Distributors and Dispatchers  | 109                               | \$52,945                          | \$61,192       | \$65,315           |
| Power Plant Operators   | 459                               | \$32,084                          | \$49,533       | \$58,257           |
| Rail Yard Engineers, Dinkey Operators, and Hostlers^                          | 19                                | \$31,190                          | \$41,940       | \$47,315           |
| Railroad Brake, Signal, and Switch Operators                                  | 360                               | \$33,975                          | \$53,708       | \$63,575           |
| Truck Drivers, Heavy and Tractor-Trailer                                      | 10,228                            | \$24,623                          | \$38,108       | \$44,850           |
| Water and Liquid Waste Treatment Plant and System Operators                   | 949                               | \$23,507                          | \$34,844       | \$40,512           |
| <b>Work Experience in a Related Occupation</b>                                |                                   |                                   |                |                    |
|   | <b>Openings*</b>                  | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| Captains, Mates, and Pilots of Water Vessels                                  | 162                               | \$37,544                          | \$61,479       | \$73,447           |
| First-Line Supervisors/Managers of Construction Trades and Extraction Workers | 1,728                             | \$40,618                          | \$62,277       | \$73,106           |
| First-Line Supervisors/Managers of Mechanics, Installers, and Repairers       | 1,967                             | \$37,853                          | \$57,151       | \$66,800           |
| Ship Engineers^   | 53                                | ND                                | ND             | ND                 |
| Transportation Inspectors   | 169                               | \$27,920                          | \$55,539       | \$69,348           |
| <b>Postsecondary Vocational Award</b>   |                                   |                                   |                |                    |
| Automotive Service Technicians and Mechanics                                  | 3,459                             | \$20,570                          | \$34,904       | \$42,072           |
| Commercial Divers   | 16                                | \$32,365                          | \$54,925       | \$66,206           |
| Commercial Pilots   | 262                               | \$38,015                          | \$60,441       | \$71,654           |
| Electrical and Electronics Repairers, Commercial and Industrial Equipment     | 398                               | \$28,509                          | \$47,945       | \$57,662           |
| Electrical and Electronics Repairers, Powerhouse, Substation, and Relay       | 171                               | \$49,846                          | \$61,935       | \$67,980           |
| <b>Associate Degree</b>   |                                   |                                   |                |                    |
| Environmental Engineering Technicians   | 35                                | \$28,007                          | \$46,262       | \$55,389           |
| Medical Equipment Repairers   | 477                               | \$28,060                          | \$42,874       | \$50,281           |

## Industrial and Engineering Technology (continued)

### **Bachelor's Degree**

|   |       |          |          |          |
|---|-------|----------|----------|----------|
| Aerospace Engineers^                    | 227   | ND       | ND       | ND       |
| Agricultural Engineers^                 | 13    | \$56,800 | \$72,373 | \$80,159 |
| Architects, Except Landscape and Naval  | 479   | \$39,050 | \$65,801 | \$79,177 |
| Biomedical Engineers^                   | 125   | \$41,957 | \$67,177 | \$79,787 |
| Cartographers and Photogrammetrists     | 167   | \$32,570 | \$52,655 | \$62,697 |
| Civil Engineers^                        | 1,370 | \$51,181 | \$75,812 | \$88,128 |
| Electrical Engineers^                   | 562   | \$56,334 | \$79,155 | \$90,566 |
| Electronics Engineers, Except Computer^ | 574   | \$57,415 | \$79,901 | \$91,143 |
| Engineers, All Other                    | 656   | \$58,420 | \$83,481 | \$96,012 |
| Environmental Engineers^                | 313   | \$49,609 | \$71,924 | \$83,082 |
| Industrial Engineers^                   | 1,136 | \$51,599 | \$71,352 | \$81,229 |
| Landscape Architects                    | 70    | ND       | ND       | ND       |
| Materials Engineers^                    | 138   | \$61,613 | \$86,971 | \$99,650 |
| Mechanical Engineers^                   | 864   | \$52,163 | \$73,205 | \$83,725 |
| Nuclear Engineers^                      | 62    | ND       | ND       | ND       |

*ND = Non Disclosed*

*\*Occupational projections are based on 2008 data and cover the years 2008-2018. Occupations in this report are graded on a combination of average wage, percent growth, and total openings over the 10-year period of employment projections. The occupations shown represent a better than average outlook for the 10-year period.*

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# Natural Resources Agriculture

**Career Cluster:**

- Agriculture, Food and Natural Resources

| <b>Occupation</b>  | <b>Openings*</b>     | <b>ANNUAL WAGES** IN MISSOURI</b> |                |                    |
|--|----------------------|-----------------------------------|----------------|--------------------|
|  | <b>Over 10 Years</b> | <b>Entry</b>                      | <b>Average</b> | <b>Experienced</b> |
| <b>Work Experience in a Related Occupation</b>             |                      |                                   |                |                    |
| Farm Labor Contractors                                     | 2                    | ND                                | ND             | ND                 |
| Managers of Farming, Fishing, and Forestry Workers         | 123                  | \$34,405                          | \$48,567       | \$55,648           |
| <b>Associate Degree</b>                                    |                      |                                   |                |                    |
| Social Science Research Assistants                         | 65                   | \$27,725                          | \$36,452       | \$40,816           |
| Veterinary Technologists and Technicians                   | 568                  | \$17,715                          | \$27,345       | \$32,160           |
| <b>Bachelor's Degree</b>                                   |                      |                                   |                |                    |
| Animal Scientists  | 66                   | \$37,652                          | \$70,807       | \$87,385           |
| Biological Technicians^                                    | 775                  | \$22,599                          | \$36,503       | \$43,456           |
| Chemists^  | 462                  | \$39,690                          | \$64,593       | \$77,045           |
| Food Scientists and Technologists                          | 169                  | \$36,393                          | \$66,387       | \$81,385           |
| Forensic Science Technicians^                              | 161                  | \$34,192                          | \$46,973       | \$53,363           |
| Life Scientists, All Other                                 | 27                   | ND                                | ND             | ND                 |
| Soil and Plant Scientists^                                 | 111                  | \$39,073                          | \$69,567       | \$84,814           |
| <b>Master's Degree</b>                                     |                      |                                   |                |                    |
| Environmental Scientists and Specialists, Including Health | 446                  | \$34,193                          | \$48,823       | \$56,138           |
| Epidemiologists  | 27                   | \$40,065                          | \$54,177       | \$61,232           |
| Geoscientists, except Hydrologists and Geographers         | 48                   | \$38,819                          | \$60,815       | \$71,814           |
| Hydrologists^  | 18                   | \$48,943                          | \$70,361       | \$81,070           |
| <b>First Professional Degree</b>                           |                      |                                   |                |                    |
| Veterinarians^   | 554                  | \$45,224                          | \$71,112       | \$84,056           |
| <b>Doctoral Degree</b>                                     |                      |                                   |                |                    |
| Biochemists and Biophysicists^                             | 216                  | \$35,347                          | \$63,276       | \$77,241           |
| Biological Scientists, All Other                           | 257                  | \$41,113                          | \$61,022       | \$70,977           |
| Medical Scientists, Except Epidemiologists                 | 1,041                | \$46,958                          | \$67,086       | \$77,150           |
| Microbiologists  | 72                   | \$41,510                          | \$65,786       | \$77,924           |
| Physicists^  | 29                   | \$67,131                          | \$104,951      | \$123,861          |

*ND = Non Disclosed*

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